

WHAT IS CLAIMED IS:

1. An absorbent product for minimizing the amount of ammonia produced by bacteria, said product comprising an osmoregulation protector, said osmoregulation protector being present in an amount capable of interacting with bacteria such that the production of ammonia by the bacteria is minimized.
2. The absorbent product as set forth in claim 1 wherein the osmoregulation protector is capable of interacting with bacteria contained in voided urine.
3. The absorbent product as set forth in claim 1 wherein the product is selected from the group consisting of diapers, training pants, adult incontinence garments, feminine napkins, tampons, interlabial pads, facial tissue, wound management products, bath tissue, diaper pails, liners for diaper pails, refuse containers, paper towels, bed pads, wet wipes, and puppy pads.
4. The absorbent product as set forth in claim 1 wherein the product contains from about 0.001 milligrams/gram of product to about 2 milligrams/gram of product of the osmoregulation protector.
5. The absorbent product as set forth in claim 1 wherein the product contains from about 0.01 milligrams/gram of product to about 2 milligrams/gram of product of the osmoregulation protector.
6. The absorbent product as set forth in claim 1 wherein the product contains from about 0.1 milligrams/gram of product to about 2 milligrams/gram of product of the osmoregulation protector.
7. The absorbent product as set forth in claim 1 wherein the osmoregulation protector is a betaine.
8. The absorbent product as set forth in claim 1 wherein the osmoregulation protector is selected from the group consisting of glycine betaine, proline betaine, trigonelline, carnitine and arsenobetaine.

9. The absorbent product as set forth in claim 1 wherein the osmoregulation protector is glycine betaine.

10. The absorbent product as set forth in claim 1 wherein the osmoregulation protector is encapsulated into a shell material.

11. The absorbent product as set forth in claim 1 wherein the osmoregulation protector is introduced onto the absorbent product utilizing a process selected from the group consisting of spray coating, slot coating, printing and particle impingement.

12. The absorbent product as set forth in claim 1 wherein the osmoregulation protector is introduced into the absorbent product in combination with a liposome carrier.

13. The absorbent product as set forth in claim 1 wherein the osmoregulation protector is introduced into the absorbent product in combination with an emulsion.

14. An adult incontinence garment for minimizing the amount of ammonia produced by bacteria contained in urine voided by a wearer, said adult incontinence garment comprising an osmoregulation protector, said osmoregulation protector being present in an amount capable of interacting with the bacteria contained in the urine such that the production of ammonia by the bacteria is minimized.

15. The adult incontinence garment as set forth in claim 14 wherein the garment contains from about 0.001 milligrams/gram of product to about 2 milligrams/gram of product of the osmoregulation protector.

16. The adult incontinence garment as set forth in claim 14 wherein the garment contains from about 0.01 milligrams/gram of product to about 2 milligrams/gram of product of the osmoregulation protector.

1000
900
800
700
600
500
400
300
200
100
0

17. The adult incontinence garment as set forth in claim 14 wherein the garment contains from about 0.1 milligrams/gram of product to about 2 milligrams/gram of product of the osmoregulation protector.

18. The adult incontinence garment as set forth in claim 14 wherein the osmoregulation protector is a betaine.

19. The adult incontinence garment as set forth in claim 14 wherein the osmoregulation protector is selected from the group consisting of glycine betaine, proline betaine, trigonelline, carnitine and arsenobetaine.

20. The adult incontinence garment as set forth in claim 14 wherein the osmoregulation protector is glycine betaine.

21. A wet wipe for minimizing the amount of ammonia produced by bacteria, said wet wipe comprising a liquid solution and a basesheet, said liquid solution comprising an osmoregulation protector, said osmoregulation protector being present in an amount capable of interacting with bacteria on or near the skin's surface such that the production of ammonia by the bacteria is minimized.

22. The wet wipe as set forth in claim 21 wherein the solution contains from about 0.01 milligrams/milliliter of solution to about 2 milligrams/milliliter of solution of the osmoregulation protector.

23. The wet wipe as set forth in claim 21 wherein the solution contains from about 0.1 milligrams/milliliter of solution to about 1 milligram/milliliter of solution of the osmoregulation protector.

24. The wet wipe as set forth in claim 21 wherein the osmoregulation protector is a betaine.

25. The wet wipe as set forth in claim 21 wherein the osmoregulation protector is selected from the group consisting of glycine betaine, proline betaine, trigonelline, carnitine and arsenobetaine.

26. The wet wipe as set forth in claim 21 wherein the osmoregulation protector is glycine betaine.

27. An adult incontinence garment for minimizing the amount of ammonia produced by bacteria contained in urine voided by a wearer, said garment comprising from about 0.001 milligrams/gram of garment to about 2 milligrams/gram of garment of glycine betaine, said glycine being capable of interacting with the bacteria contained in the urine such that the production of ammonia by the bacteria is minimized.

28. A process for minimizing the amount of ammonia produced by bacteria in voided urine, the process comprising:

contacting the voided urine with an amount of osmoregulation protector sufficient to interact with the bacteria in the voided urine such that the production of ammonia by the bacteria is minimized.

29. The process as set forth in claim 28 wherein the osmoregulation protector is a betaine.

30. The process as set forth in claim 28 wherein the osmoregulation protector is selected from the group consisting of glycine betaine, proline betaine, trigonelline, carnitine, and arsenobetaine.

31. The process as set forth in claim 28 wherein the osmoregulation protector is glycine betaine.

32. A process for minimizing the amount of ammonia produced by bacteria in voided urine, the process comprising:

introducing an osmoregulation protector into an absorbent product to be worn by a wearer next to the skin to absorb the voided urine, the osmoregulation protector being present in the absorbent product in an amount sufficient to interact with bacteria in the voided urine such that the production of ammonia by the bacteria is minimized; and

contacting the absorbent product and osmoregulation protector with urine voided by the wearer such that the osmoregulation protector can interact with

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bacteria in the urine and decrease the amount of ammonia produced by the bacteria.

33. The process as set forth in claim 32 wherein the absorbent product is selected from a diaper and an incontinence garment.

34. The process as set forth in claim 32 wherein the absorbent product contains from about 0.001 milligrams/gram of product to about 2 milligrams/gram of product of the osmoregulation protector.

35. The process as set forth in claim 32 wherein the absorbent product contains from about 0.01 milligrams/gram of product to about 2 milligrams/gram of product of the osmoregulation protector.

36. The process as set forth in claim 32 wherein the osmoregulation protector is a betaine.

37. The process as set forth in claim 32 wherein the osmoregulation protector is selected from the group consisting of glycine betaine, proline betaine, trigonelline, carnitine and arsenobetaine.

38. The process as set forth in claim 32 wherein the osmoregulation protector is glycine betaine.